

IN THE CLAIMS:

Please amend claims the claims as follows:

*(B1)*  
1. (Twice Amended) A purified polynucleotide that comprises a polynucleotide [that specifically binds to] which has at least 50% identity to a polynucleotide sequence selected from the group consisting of SEQUENCE ID NO 1, SEQUENCE ID NO 2, and SEQUENCE ID NO 3, and full complements thereof.

*(B2)*  
5. (Twice Amended) A recombinant expression [system] vector for use in a desired host comprising a nucleic acid sequence that encodes an open reading frame of at least 5 amino acids, said nucleic acid sequence [derived from] having at least 50% identity with a polynucleotide selected from the group consisting of SEQUENCE ID NO 1, SEQUENCE ID NO 2, SEQUENCE ID NO 3, and nucleotides 51-284 of SEQUENCE ID NO 7, wherein said open reading frame is operably linked to a control sequence compatible with the desired host wherein said control sequence is selected from the group consisting of promotors, terminators, enhancers, ribosomal binding sites and leader sequences.

*(B3)*  
12. (Twice Amended) A composition of matter comprising a purified polynucleotide which has 50% identity with a polynucleotide [that specifically binds to a polynucleotide] selected from the group consisting of SEQUENCE ID NO 1, SEQUENCE ID NO 2, SEQUENCE ID NO 3 and full complements thereof.

*(B4)*  
14. (Amended) A purified polynucleotide [gene], or a fragment thereof, which codes for a [LS147] protein which comprises an amino acid sequence having at least 50% to SEQUENCE ID NO. 15.

Please add new claim 34.

*(B5)*  
34. (new) A purified polynucleotide comprising a polynucleotide which has at least 50% identity to nucleotides 5-419 fo SEQ ID NO. 7.